

June 2, 2008

Deborah J. Florio
Administrator, Family and Children Services
Rhode Island Department of Human Services
Aimee Forand Building, 2nd Floor
600 New London Avenue
Cranston, RI 02920

Dear Ms. Florio,

The following is the rate development document you requested in support of the rates developed for RIte Care effective 7/1/2008.

Introduction

The Rhode Island Department of Human Services (DHS, the State) requested that HealthCare Analytics assist it in developing actuarially sound capitation rates effective 7/1/2008 – 6/30/2009 for RIte Care, a Medicaid managed care program implemented under a section 1115 Medicaid waiver.

This document presents an outline of the development of actuarially sound capitation rates that were made consistent with the guidance provided in the Centers for Medicare and Medicaid Services (CMS) Rate Checklist, and which is sought for the purpose of attaining rate approval from CMS under 42 CFR 438.6(c).

The rates were developed from existing claims data for the target populations, which were adjusted, smoothed and trended to our forecasted period. Adjustments were made to account for off-line expenses not reflected in the claims data, as well as programmatic changes that will impact future claims. The claims were trended forward to the forecast periods using the indicated trends in the claims data, tempered by observations of general trends in the marketplace for Medicaid managed care. Finally, administrative loads were included to develop actuarially sound capitation rates and a SOBRA payment rate for the desired rate period and rate cells.

Rates, trends, assumptions and observations of the underlying data in support of the proposed capitation rates for RIte Care effective 7/1/2008 were performed in consultation with the actuarial firm of Donlon & Associates, which also provides the certification letter required by CMS.

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Capitation Rates & Demographics

Since its inception, RIte Care has been providing eligible children and their families with comprehensive health coverage through the three largest health plans in Rhode Island, including Neighborhood Health Plan of Rhode Island (NHPRI), United Healthcare of New England (UHCNE) and Blue Cross Blue Shield of Rhode Island (BCBSRI). The health plans have been reimbursed on a capitation rate basis, based on rate cells that are largely age and gender driven, whereas Extended Family Planning (EFP) is paid for certain qualifying pregnant women for a restricted benefit package, and SOBRA is a lump-sum payment made for eligible pregnant women for the care and delivery of their children.

The capitation and SOBRA payment rates effective 7/1/2008 are as follows (see exhibit 8 in the appendix for additional details):

Table 1

RIte Care Capitation Rates 7/1/2008 – 6/30/2009									
Rate Cell	Capitation Rate								
Male & Female <1	\$ 550.07								
Male & Female 1 – 5	\$ 167.83								
Male & Female 6 – 14	\$ 124.58								
Male 15 – 44	\$ 205.65								
Female 15 – 44	\$ 294.80								
Male & Female 45 +	\$ 506.89								
Extended Family Planning (EFP)	<u>\$ 7.44</u>								
Total	\$ 222.80								
SOBRA	\$ 8,387								

Rate Development Methodology

Claims & Enrollment Data

Claims data was provided by Strategies and Solutions on behalf of the State, which we used to develop the capitation rates exhibited in the above table. The data reports, which were based on encounter data, covered State Fiscal Years (SFY) ending June 2005, SFY 2006 and SFY 2007, stated on an incurred basis, paid through March 15, 2008 and estimated at 100% complete. The claims data was delineated by

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rate cell and by service categories that included facility, professional and pharmacy detail which allowed us to examine historical patterns for cost and utilization levels (see exhibit 1 in the appendix).

DHS staff provided us additional information with which we made adjustments to the claims data for SFY 2005, SFY 2006 and SFY 2007. These adjustments were for off-line expenses not available in the claims (encounter data) system, from which the claims data was extracted by Strategies and Solutions, and included line items such as pharmacy rebates, reinsurance recoveries, and behavioral health management fees for example, which were identified and reconciled between DHS staff and the health plans.

DHS staff also provided enrollment data for SFY 2005, SFY 2006, SFY 2007 and January 2008 for each of the rate cells under consideration. The enrollment was based on the payments made to the health plans during the periods (see exhibit 2 in the appendix).

Base Period Data

Given the length of the program and fairly stable population in RIte Care, SFY 2007, the most recent experience period available for review, was selected as the base period from which forecasts and projections were made for the development of the capitation rates. No further adjustments were deemed necessary to enhance the credibility of the base period.

Table 3

SFY 2007 Encounter Data Excluding SOBRA & EFP									
Rate Cell Claims PMPM Avg. Members									
Male & Female <1	\$ 456.23	5,615							
Male & Female 1 - 5	\$ 106.27	21,479							
Male & Female 6 – 14	\$ 94.65	33,078							
Male 15 – 44	\$ 151.53	13,311							
Female 15 – 44	\$ 222.99	32,891							
Male & Female 45 +	<u>\$ 387.79</u>	<u>5,211</u>							
Total	\$ 173.39	111,586							

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Completion Ratios

All claims data including SFY 2005, SFY 2006 and SFY 2007 are on an incurred basis paid through March 15, 2008 and estimated complete at 100%. HealthCare Analytics relied on data provided by Strategies and Solutions on behalf of the State. The completion ratios developed by Strategies and Solutions are:

Table 4

Completion Ratios										
Service Category	SFY 2005	SFY 2006	SFY 2007							
Inpatient	1.0000	0.9994	0.9693							
Outpatient	1.0000	0.9992	0.9813							
Professional	1.0000	0.9994	0.9889							
<u>Pharmacy</u>	1.0000	0.9999	0.9983							
Total	1.0000	0.9994	0.9831							

Trends

We relied on the two-year weighted average trend indicated in the experience period from SFY 2005 through SFY 2007, with consideration to anticipated easing of medical inflation, as it appeared to be in line with anticipated future trends for the Medicaid population. Since trends calculated on composite PMPMs inherently contain the effects of the shift over time in the mix of enrollment in the various rate cells, we adjusted the composite PMPMs to factor out the effects of this demographic shift by restating the experience of each rate cell on a common enrollment distribution in the rate cells (see exhibit 3 in the appendix). Thus, the trend calculated and employed for our forecast was:

Table 5

	SFY 2005	SFY 2006	SFY 2007	2-yr. Trend
Total Claims PMPM excluding EFP	\$ 149.01	\$ 166.90	\$ 173.39	7.87%
Demographic Shift Adjustment	1.01095	1.00719	1.00536	
Adjusted Total Claims PMPM	\$ 150.64	\$ 168.10	\$ 174.32	7.57%
		Selected Trend	7.50%	

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Adjustment for Program Changes

We made an adjustment to our forecasted claims expense PMPMs to account for the impact of the new periodicity tables recommended by the Association of American Pediatrics for Early and Periodic Screening, Diagnosis and Treatment (EPSDT) services. DHS staff estimated this financial impact, which amounted to \$0.57 PMPM to the "bottom line" weighted average PMPM for the rate period 7/1/08 – 6/30/09 (see exhibit 5 in the appendix).

An adjustment was also made to EFP services to reflect CMS-required reductions in program benefits, in duration of services from 24 months to 12 months, and in scaling back of eligibility from 250% of FPL to 200% of FPL. These adjustments were made to the core data for SFY 2005, SFY 2006 and SFY 2007 by Strategies and Solutions and are thus inherent in the projections and forecast of rates, requiring no further "below-the-line" adjustments in the rate development.

SOBRA

The SOBRA payment rate was developed based on the plan-submitted Encounter data extracted by Strategies and Solutions for SFY 2005, SFY 2006 and SFY 2007, incurred and paid through early March 2008, estimated 100% complete. For this rating cycle, the State refined the definition of SOBRA to exclude non-pregnancy related services such as GYN exams & PAP smears. These services, however, were included in non-SOBRA medical expenses.

Projected SOBRA payment rates were developed with a trend assumption of 5% per annum as indicated in the experience periods (see Exhibit 7 in the appendix).

Consistent with the non-SOBRA rates, the administrative load for SOBRA was set at 9.75% of the capitation rate for this rating cycle

Managed Care Adjustments

Rite Care is a fairly mature program that, in the absence of new initiatives, already reflects any savings and adjustments that may accrue due to the managed care environment in the delivery of health care services. Therefore, no further adjustments were made in this rating cycle for managed care.

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Administrative Load

The loading for administration, profit and contingency expenses were set at 9.75% of the capitation rates across all rate cells in order to re-balance and standardize the administrative expense ratios so that the administrative expense allocations were commensurate with the claims expense levels for each rate cell.

Risk Share / Gain Share

The State's risk sharing provision with the heath plans shall remain unchanged from last period's rating cycle.

Actuarial Certification

The capitation rates exhibited in table 1 above along with all supporting exhibits in the appendix of this document will receive an actuarial certification under a separate cover from the actuarial firm of Donlon & Associates, Inc.



RIte Care Rate Setting
RIte Care Core Population
Proposed 7/1/2008 - 6/30/2009 Capitation Rates

Rite Care July 1, 2008 - June 30, 2009 Aggregate Plan-Submitted Claims Experience Excluding SOBRA & EFP

SFY 2005 RIte Care PLAN Experience

Type of Service Summary	 /IF< 1 Year	M	F 1-5 Years	M	F 6-14 Years	М	15-44 Years	F	15-44 Years	MF	> =45 Years	Total
Facility	\$ 15,946,974	\$	9,455,260	\$	12,330,841	\$	9,608,274	\$	34,926,402	\$	8,452,594	\$ 90,720,344
Professional	\$ 8,681,146	\$	10,252,301	\$	12,152,738	\$	7,325,371	\$	28,257,870	\$	6,654,984	\$ 73,324,409
<u>Pharmacv</u>	\$ 500,135	\$	2.782.506	\$	6.983.983	\$	5.875.187	\$	20.699.095	\$	7.006.727	\$ 43,847,634
Total	\$ 25,128,255	\$	22,490,067	\$	31,467,562	\$	22,808,832	\$	83,883,367	\$	22,114,304	\$ 207,892,387
Average Members	5,538		22,372		34,821		13,721		34,559		5,255	116,266
Total PMPM	\$ 378.12	\$	83.77	\$	75.31	\$	138.52	\$	202.27	\$	350.66	\$ 149.01

SFY 2006 RIte Care PLAN Experience

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Type of Service Summary	MF< 1 Year	IV	IF 1-5 Years	IVI	F 6-14 Years	IV	15-44 Years	F	15-44 Years	MF	- > =45 Years	Total
Facility	\$ 20,813,487	\$	10,892,135	\$	14,362,703	\$	11,999,485	\$	39,804,349	\$	9,830,495	\$ 107,702,655
Professional	\$ 9,587,378	\$	12,382,366	\$	13,468,250	\$	8,351,091	\$	29,323,742	\$	7,270,470	\$ 80,383,296
<u>Pharmacy</u>	\$ 443,924	\$	2,695,604	\$	7,384,390	\$	5,500,053	\$	19,908,894	\$	7,041,327	\$ 42,974,193
Total	\$ 30,844,790	\$	25,970,105	\$	35,215,343	\$	25,850,629	\$	89,036,985	\$	24,142,292	\$ 231,060,144
Average Members	5,619		22,176		34,097		13,846		34,248		5,384	115,369
Total PMPM	\$ 457.48	\$	97.59	\$	86.07	\$	155.59	\$	216.65	\$	373.67	\$ 166.90

SFY 2007 RIte Care PLAN Experience

	** : = * * : : : * : : : : : : : : : : :												
Type of Service Summary	 MF< 1 Year	N	IF 1-5 Years	M	F 6-14 Years	М	15-44 Years	F	15-44 Years	MF	> =45 Years		Total
Facility	\$ 21,138,790	\$	11,964,362	\$	15,712,862	\$	11,121,764	\$	40,824,830	\$	10,704,769	\$	111,467,375
Professional	\$ 8,525,741	\$	12,604,529	\$	14,575,478	\$	8,053,168	\$	28,708,813	\$	7,318,031	\$	79,785,759
<u>Pharmacy</u>	\$ 1,076,437	\$	2.821.157	\$	7.282.800	\$	5.029.409	\$	18.480.160	\$	6.228.346	\$	40,918,308
Total	\$ 30,740,967	\$	27,390,048	\$	37,571,139	\$	24,204,340	\$	88,013,802	\$	24,251,146	\$	232,171,442
Average Members	5,615		21,479		33,078		13,311		32,891		5,211		111,586
Total PMPM	\$ 456.23	\$	106.27	\$	94.65	\$	151.53	\$	222.99	\$	387.79	\$	173.39

Rite Care July 1, 2008 - June 30, 2009 Average Members

Rate Cell	SFY 2005	SFY 2006	SFY 2007	Jan-08
MF <1	5,538	5,619	5,615	5,799
MF 1-5	22,372	22,176	21,479	20,865
MF 6-14	34,821	34,097	33,078	31,357
Males 15-44	13,721	13,846	13,311	12,180
Females 15-44	34,559	34,248	32,891	30,895
<u>MF >45</u>	<u>5,255</u>	<u>5.384</u>	<u>5,211</u>	<u>4,951</u>
Subtotal	116,266	115,369	111,586	106,047
<u>EFP</u>	<u>1,815</u>	1,902	2,018	2,169
Total w/ EFP	118,081	117,271	113,604	108,216

Rite Care July 1, 2008 - June 30, 2009 Demographic Shift Adjustment

Plan Experience Excluding SOBRA & EFP

Rate Cell	SFY 05 Avg. Members	SFY 05 Exp.	SFY 05 PMPM	Jan 2008 Avg. Members	Adj'd SFY 05 PMPM
MF <1	5,538	\$ 378.12	\$ 18.01	5,799	\$ 20.68
MF 1-5	22,372	\$ 83.77	\$ 16.12	20,865	\$ 16.48
MF 6-14	34,821	\$ 75.31	\$ 22.55	31,357	\$ 22.27
Males 15-44	13,721	\$ 138.52	\$ 16.35	12,180	\$ 15.91
Females 15-44	34,559	\$ 202.27	\$ 60.12	30,895	\$ 58.93
MF >44	5,255	<u>\$ 350.66</u>	<u>\$ 15.85</u>	<u>4.951</u>	<u>\$ 16.37</u>
Total	116,266	\$ 149.01	\$ 149.01	106,047	\$ 150.64

Demographic Shift Adjustment:	1.01095
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Rate Cell	SFY 06 Avg. Members	SFY 06 Exp.	SFY 06 PMPM	Jan 2008 Avg. Members	Adj'd SFY 06 PMPM
MF <1	5,619	\$ 457.48	\$ 22.28	5,799	\$ 25.02
MF 1-5	22,176	\$ 97.59	\$ 18.76	20,865	\$ 19.20
MF 6-14	34,097	\$ 86.07	\$ 25.44	31,357	\$ 25.45
Males 15-44	13,846	\$ 155.59	\$ 18.67	12,180	\$ 17.87
Females 15-44	34,248	\$ 216.65	\$ 64.31	30,895	\$ 63.12
MF >44	5,384	<u>\$ 373.67</u>	\$ 17.44	<u>4,951</u>	\$ 17.45
Total	115,369	\$ 166.90	\$ 166.90	106,047	\$ 168.10
	1.00719				

Rate Cell	SFY 07 Avg. Members	SFY 07 Exp.			Adj'd SFY 07 PMPM
MF <1	5,615	\$ 456.23	\$ 22.96	5,799	\$ 24.95
MF 1-5	21,479	\$ 106.27	\$ 20.46	20,865	\$ 20.91
MF 6-14	33,078	\$ 94.65	\$ 28.06	31,357	\$ 27.99
Males 15-44	13,311	\$ 151.53	\$ 18.08	12,180	\$ 17.40
Females 15-44	32,891	\$ 222.99	\$ 65.73	30,895	\$ 64.97
MF >44	5,211	<u>\$ 387.79</u>	<u>\$ 18.11</u>	<u>4.951</u>	\$ 18.10
Total	111,586	\$ 173.39	\$ 173.39	106,047	\$ 174.32
		Demographi	c Shift Adjustmen	ıt·	1.00536

Rite Care July 1, 2008 - June 30, 2009 Demographic Shift Adjusted Plan Experience (PMPM)

Excluding SOBRA & EFP

Type of Service Summary	SF	Y 2005	SFY 2006	SFY 2007
Total Claims Experience excluding EFP	\$	149.01	\$ 166.90	\$ 173.39
Demographic Shift Adjustment		1.01095	1.00719	1.00536
Demographic Shift-Adjusted Claims Experience	\$	150.64	\$ 168.10	\$ 174.32

2-yr. Avg. Trend
7.87%
7.57%

Selected Trend: 7.50%

Rite Care July 1, 2008 - June 30, 2009 Extended Family Planning (EFP)

	PMPM
SFY 2007 Claims PMPM	\$ 5.81
Applied Trend	<u>7.5%</u>
Projected 7/1/08 - 6/30/09 Claims Expense	\$ 6.71
Projected 7/1/08 - 6/30/09 Admin Expense	\$ 0.73
Total Projected 7/1/08 - 6/30/09 Payment Rate	\$ 7.44
January 2008 RIte Care Members	108,216
January 2008 EFP Members	2,169
Projected Rate as component of total PMPM (w/Admin)	\$ 0.15

5/30/08

RIte Care July 1, 2008 - June 30, 2009 Projected PMPM

Excluding SOBRA

Base Period PMPM (SFY 2007) Excluding SOBRA & EFP	\$ 173.39
Selected Trend for Projection Projection Period (years)	7.50% 2
Projected 7/1/08 - 6/30/09 PMPM Excluding SOBRA & EFP	\$ 200.37
Adjustments:	
EPSDT ¹	\$ 0.57
Projected EFP for 7/08-6/09	\$ 0.13
Projected Admin. Exp. 7/08-6/09	\$ 21.72
Projected 7/1/08 - 6/30/09 PMPM Excluding SOBRA	\$ 222.80

¹ EPSDT Adjustment reflects changes as recommended by the Association of American Pediatrics, and is applied to rate cells: MF <1; MF 1-5; MF 6-14 only

Rite Care July 1, 2008 - June 30, 2009 Projected SOBRA Payment Rate

SOBRA Experience						
	<u>:</u>	SFY 2005	<u>SF</u>	Y 2006	<u>SF</u>	Y 2007
Claims Expense	\$	33,178,446	\$ 36	6,863,273	\$ 3	9,270,891
Number of Births		5,390		5,655		5,720
Net Cost / Birth	\$	6,156	\$	6,519	\$	6,865

Year-Over-Year Trends		
'07 vs '06	'06 vs '05	
5.3%	5.9%	

SOBRA Payment Rate Development		Y 2009 te Dev.
SFY 2007 Net Cost / Birth	\$	6,865
Applied Annual Trend	5.00%	6
Projected Net Payment Rate for 7/08-6/09	\$	7,569
7/1/08 - 6/30/09 SOBRA Admin. Load Rate	9.75%	6
7/1/08 - 6/30/09 SOBRA Admin. Load	\$	818
Projected SOBRA Rate for 7/1/08 - 6/30/09	\$	8,387

Rite Care July 1, 2008 - June 30, 2009 Capitation Rates

Capitation Rate Cell	Medical component of Capitation Rates		Admin component of Capitation Rates	
MF <1	\$	496.44	\$	53.63
MF 1-5	\$	124.39	\$	13.44
MF 6-14	\$	112.43	\$	12.15
Males 15-44	\$	185.60	\$	20.05
Females 15-44	\$	266.06	\$	28.74
MF >44	\$	457.47	\$	49.42
<u>EFP</u>	\$	6.71	\$	0.73
Total	\$	201.08	\$	21.72
SOBRA	\$	7,569	\$	818

\$ 205.65 \$ 294.80 \$ 5222.80	D	a a al OEV	
Capitation Rates \$ 550.07 \$ 137.83 \$ 124.58 \$ 205.65 \$ 294.80 \$ 506.89 \$ 7.44	Proposed SFY		
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\$ 506.89 \$ 7.44	\$	205.65	
\$ 7.44	\$	294.80	
	\$	506.89	
\$ 222.80	\$	7.44	
•	\$	222.80	